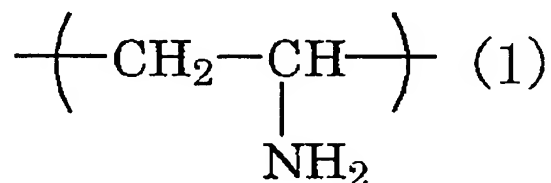


ABSTRACT

It is an object of the present invention to provide a chemical conversion coating agent which places a less burden
5 on the environment and can apply good chemical conversion treatment to all metals such as iron, zinc and aluminum, and a surface-treated metal obtained using the same.

A chemical conversion coating agent comprising:
at least one kind selected from the group consisting of
10 zirconium, titanium and hafnium;
fluorine; and
a water-soluble resin ,
wherein said water-soluble resin has, in at least a part thereof, a constituent unit expressed by the chemical formula
15 (1):



and/or the chemical formula (2):

